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| <b>INFORMATION DISCLOSURE<br/>CITATION IN AN<br/>APPLICATION</b>        |          | <b>ATTY. DOCKET NO.</b><br><b>61352-060</b>   |   | <b>SERIAL NO.</b><br><div style="text-align: center; font-size: 1.2em;">161730,096</div> |   |             |    |
| <div style="font-size: 1.2em;">(PTO-1449)</div>                         |          | <b>APPLICANT</b><br><b>Hideaki ADACHI, et al.</b>   |   |  |   |             |    |
|   |          | <b>FILING DATE</b><br><b>December 09, 2003</b>  |   | <b>GROUP</b><br><div style="text-align: center; font-size: 1.2em;">1775</div>            |   |             |    |
| <b>U.S. PATENT DOCUMENTS</b>  |          |   |   |  |   |             |    |
| EXAMINER'S INITIALS   | CITE NO. | Document Number<br><small>Number-Kind Code(s) (if known)</small>  | Publication Date<br><small>MM-DD-YYYY</small> | Name of Patentee or Applicant of Cited Document  | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |             |    |
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| <b>FOREIGN PATENT DOCUMENTS</b>   |          |   |   |  |   |             |    |
| EXAMINER'S INITIALS   | CITE NO. | Foreign Patent Document<br><small>Country Code(s)-Number(s)-Kind Code(s) (if known)</small>   | Publication Date<br><small>MM-DD-YYYY</small> | Name of Patentee or Applicant of Cited Document  | Pages, Columns, Lines Where Relevant Figures Appear                       | Translation |    |
|   |          |   |   |  |   | Yes         | No |
| <i>sh</i>   |          | JP 2001-320095 (w/ English Abstract)  | 11/16/2001                                    | TOHOKU TECHNO ARCH CO., LTD.   |   |             |    |
| <i>sh</i>   |          | JP 2001-284662 (w/ English Abstract)  | 10/12/2001                                    | TOSHIBA CORP.  |   |             |    |
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| <i>sh</i>   |          | JP 9-321346 (w/ English Abstract)   | 12/12/1997                                    | KOKUSAI CHODENDO SANGYO GIJUTSU KENKYU CENTER TOKYO GAS CO., LTD.                        |   |             |    |
| <b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b> |          |   |   |  |   |             |    |
| EXAMINER'S INITIALS   | CITE NO. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |   |  |   |             |    |
| <i>sh</i>   |          | R. VENKATASUBRAMANIAN et al., Thin-film thermoelectric devices with high room-temperature figures of merit", Nature, Vol. 413, 11 October 2001, pages 597-602.  |   |  |   |             |    |
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|   |          | <div style="font-size: 1.5em;">5/8/05</div>   |   |  |   |             |    |

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